

3000 Arctic Boulevard Anchorage, Alaska 99503-3898 January 12, 2000

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U.S. EPA REGION 10 OFFICE OF WATER



Owned by the Municipality of Anchorage

Rick Mystrom, Mayor

> Ms. Florence Carroll U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101

Reference: NPDES Permit #AK-002255-1, John M. Asplund WWTF

Dear Ms. Carroll,

BOD exceedances of the referenced discharge permit have occurred. The final effluent Daily Maximum BOD Limit of 140 mg/L was exceeded on:

DATE	SAMPLE ANALYSIS RESULT
DECEMBER 1, 1999	148 mg/L
<b>DECEMBER 2, 1999</b>	158 mg/L
DECEMBER 8, 1999	149 mg/L
DECEMBER 13,	158 mg/L
1999	
DECEMBER 15,	157 mg/L
1999	
DECEMBER 16,	169 mg/L
1999	
DECEMBER 19,	165 mg/L
1999	_
DECEMBER 20,	159 mg/L
1999	
DECEMBER 29,	154 mg/L
1999	

These and other higher than normal influent BODs, resulted in exceedance of the final effluent Weekly Average Limit of 130 mg/L for the weeks of 12/1-4/99, 12/12-18/99, 12/19-25/99 and 12/26-31/99 with the respective results of 153 mg/L, 151 mg/L, 137 mg/L & 131 mg/L. These also resulted in exceedance of the final effluent monthly average limit of 120 mg/L with a result of 139 mg/L.

The follow-up investigation determined that the laboratory analysis, facility operation and collection system maintenance were normal. We believe the cause of these BOD exceedances to be primarily related to the increased influent BOD levels the facility has experienced over the past several years.

#### Page 2

Our investigation did discover that the annual average monthly influent BOD of 234 mg/L and TSS of 241 mg/L was less than the annual averages over the past five years. The average monthly effluent TSS of 44 mg/L was less than the annual average monthly for this year. This and the monthly TSS removal efficiency of 82% suggest that our facility is operating as designed with respect to the solids removal and strongly suggests that the BOD was composed of a significant amount of soluble BOD.

As you know, AWWU has submitted a revised discharge permit renewal application for the facility to EPA, in which we are seeking a higher BOD limit. Recently the public review portion of the renewal process was completed. Our treatment facility staff will continue to do everything possible to prevent permit limit exceedances. However, until such time as the permit is renewed, we expect to continue experiencing occasional BOD exceedances.

Should you have any questions, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF



#### 3000 Arctic Boulevard Anchorage, Alaska 99503-3898

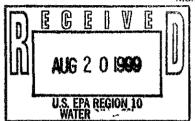


Rick Mystrom, Mayor

August 13, 1999

Owned by the Municipality of Anchorage

Florence Carroll U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101



Reference: July 1999 BOD Exceedances for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

A BOD exceedance of the referenced discharge permit has occurred. The final effluent BOD daily maximum of 140 mg/L was exceeded on August 3, 1999 with a sample result of 143 mg/L.

The follow-up investigation determined that laboratory analysis, facility operation and collection system maintenance were normal. We believe the cause of this BOD exceedance to be related not only to the increased Influent BOD levels the plant has experienced over the past years but also to an increase in dissolved BOD since the total BOD percent removal remained normal this month.

As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU Brian Crewdson, AWWU Anchorage Office, EPA Southcentral Office, ADEC



Mayor

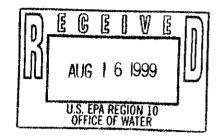
#### 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



Owned by the Municipality of Anchorage

August 10, 1999

Flo Carroll
U.S. EPA Region 10
NPDES Compliance Unit (OW-133)
1200 Sixth Avenue
Seattle, WA 98101



Reference: July 1999 BOD Exceedances for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

Reference our letter reporting a final effluent daily BOD limit exceedance for July 22 with an analysis result of 158 mg/L and this letter reporting a final effluent daily BOD limit exceedance for July 29 with an analysis result of 147 mg/L. These and other higher than normal final effluent daily BODs have resulted in the final effluent average weekly BOD of 134 mg/L for the week ending July 22 and the final effluent average monthly BOD of 128 mg/L.

The follow-up investigation determined that plant operations, laboratory analysis and collection system maintenance were normal. The average percent BOD and TSS removals were normal. We believe the probable cause of these BOD exceedances to be primarily related to increased, influent soluble BOD levels.

As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

ce: Kris Warren, AWWU
Brian Crewdson, AWWU
Anchorage Office, EPA
Southcentral Office, ADEC



#### 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



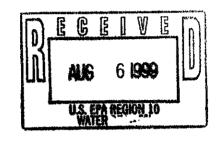
August 3, 1999



Municipality of Anchorage

Ms. Florence Carroll U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101

Reference: NPDES Permit #AK-002255-1, John M. Asplund WWTF



Dear Ms. Carroll:

A BOD exceedance of the referenced discharge permit has occurred. The final effluent BOD daily maximum of 140 mg/L was exceeded on July 22,1999 with a sample result of 158 mg/L.

The follow-up investigation determined that laboratory analysis, facility operation, and collection system maintenance were normal. We believe the cause of this BOD violation to be primarily related to the increased Influent BOD levels the plant has experienced over the past several years.

As you know, AWWU has submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Our treatment facility staff will continue to do everything possible to prevent permit limit exceedances. However, until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU Brian Crewdson, AWWU Anchorage Office, EPA Southcentral Office, ADEC



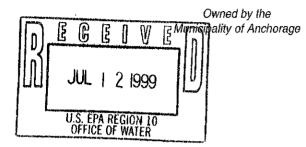
#### 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



Rick Mystrom, Mayor

July 6, 1999

Florence Carroll
U.S. EPA Region 10
NPDES Compliance Unit (OW-133)
1200 Sixth Avenue
Seattle, WA 98101



SUBJECT: NPDES Permit #AK-002255-1, John M. Asplund WWTF

Dear Ms. Carroll:

A BOD exceedance of the referenced discharge permit has occurred. The final effluent BOD daily maximum of 140 mg/L was exceeded on June 23, 1999 with a sample result of 148 mg/L.

The follow-up investigation determined that laboratory analysis, facility operation and collection systems maintenance were normal. We believe the cause of this BOD violation to be primarily related to the increased influent BOD levels the plant has experienced over the past several years. Our investigation did discover the influent BOD of 286 mg/L on this day was the highest for this month. The influent TSS of 208 mg/L was below average with the effluent TSS of 47 mg/L below average. This suggests our facility is operating as designed with respect to the solids removal and that the influent BOD was composed of a significant amount of soluble BOD.

As you know, AWWU has submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Our treatment facility staff will continue to do everything possible to prevent permit limit exceedances. However, until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 267-4543.

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, Wastewater Superintendent, AWWU
 Robert LeVar, Treatment Division Manager, AWWU
 Brian Crewdson, AWWU
 NPDES Program, Anchorage Office, EPA
 Robert Dolan, Watershed Management, ADEC

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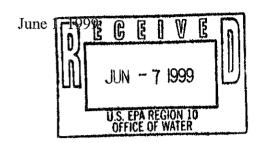


#### 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



Rick Mystrom, Mayor

Ms. Florence Carroll
U.S. EPA Region 10
NPDES Compliance Unit (OW-133)
1200 Sixth Avenue
Seattle, WA 98101



Owned by the Municipality of Anchorage

Reference: NPDES Permit #AK-002255-1, John M. Asplund WWTF

Dear Ms. Carroll:

A BOD exceedance of the referenced discharge permit has occurred. The final effluent BOD daily maximum of 140 mg/L was exceeded on May 19,1999 with a sample result of 142 mg/L.

The follow-up investigation determined that laboratory analysis, facility operation, and collection system maintenance were normal. We believe the cause of this BOD violation to be primarily related to the increased Influent BOD levels the plant has experienced over the past several years.

As you know, AWWU has submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Our treatment facility staff will continue to do everything possible to prevent permit limit exceedances. However, until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU
Brian Crewdson, AWWU
Anchorage Office, EPA
Southcentral Office, ADEC



Mayor

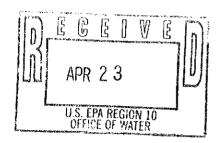
# 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



Owned by the Municipality of Anchorage

April 20, 1999

Ms. Flo Carroll
U.S. EPA Region 10
NPDES Compliance Unit (OW-133)
1200 Sixth Avenue
Seattle, WA 98101



Reference: Daily Maximum BOD Exceedance for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

The final effluent BOD daily maximum limit of 140/mg/L was exceeded on April 8, 1999 with a sample analysis result of 181 mg/L.

The follow-up investigation determined that laboratory analysis and collection system maintenance were normal. Plant operations for this day were significantly disrupted due to annual effluent flume flow monitoring system.

We believe that this increased BOD is related to the disruption mentioned above and the above average influent BOD 294 mg/L and TSS 282 mg/L on this day. The average so far this month is BOD 253 mg/L and TSS 243 mg/L. As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU Brian Crewdson, AWWU Anchorage Office, EPA Southcentral Office, ADEC



Mayor

# 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



April 13, 1999

Owned by the Municipality of Anchorage

U.S. EPA Region 10

U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101 APR 1 6 1999 OFFICE OF WATER

Reference: Daily Maximum BOD Exceedance for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

The final effluent BOD daily maximum limit of 140/mg/L was exceeded on April 1, 1999 with a sample analysis result of 149 mg/L.

The follow-up investigation determined that plant operations, laboratory analysis and collection system maintenance were normal.

We believe that this increased BOD is related to the increased influent BOD levels the plant has experienced over the past several years. As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF



Mayor

3000 Arctic Boulevard Anchorage, Alaska 99503-3898

U.S. EPA Region 10

APR 1 5 1999
April 12, 1999 OFFICE OF WATER



U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101

Reference: Daily Maximum BOD Exceedance for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

The final effluent BOD daily maximum limit of 140/mg/L was exceeded on March 31, 1999 with a sample analysis result of 158 mg/L.

The follow-up investigation determined that plant operations, laboratory analysis and collection system maintenance were normal.

We believe that this increased BOD is related to the increased influent BOD levels the plant has experienced over the past several years. As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely.

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

•	
From:	Robert Hughes
To:	NCU Compliance Officers
Subject:	NPDES non-compliance reporting - summary of phone message
Date of Call:	( April 15, 1999 ) Time of Call: ( 904 pm )
Facility Name	: Anchorage Municipality of - Point Werenget
Facility Permi	t#:(AK-00 2255-1
Name of Calle	er (if provided): Jack Canoo
Telephone Nu	nmber of Caller: ( 907 - 243 - 8873
Nature of No	ncompliance (circle): a. Spill b. Bypass c. Overflow
d. <i>Effl</i>	uent limit violation (indicate parameter). 800 140 miligram per liter exceeped to 18
e. Oth	ser:
Did the caller	identify a potential for urgent env./human health concerns? (circle) Yes or (10)
Did the caller	indicate a written report would follow? (circle) (Fes) or No
Other Comme	MtS (as needed):

Memorandum.

From: Robert Hughes	
To: NCU Compliance Officers	
Subject: NPDES non-compliance reporting - summary of phone message	
Date of Call: ( April 8, 1999 ) Time of Call: ( 513.pm	
Facility Name: Anchorage City of Point Wordingest	
Facility Permit # : ( PK-00 ZZ 55-1 )	
Name of Caller (if provided): Jack Canoo	
Telephone Number of Caller: (907 - 243 - 8873)	
Nature of Noncompliance (circle): a. Spill b. Bypass c. Overflow	
(d.) Effluent limit violation (indicate parameter): Bod 140 limit was 149	
e. Other:	
	_
Did the caller identify a potential for urgent env./human health concerns? (circle) Yes or No	
Did the caller indicate a written report would follow? (circle) (Yes) or No	
Other Comments (as needed):	
	-
	_

Memorandum.



# 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



Owned by the Municipality of Anchorage

April 5, 1999

U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101 U.S. EPA Region 10 APR 12 1999 OFFICE OF WATER

Reference: Daily Maximum BOD Exceedance for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

The final effluent BOD daily maximum limit of 140/mg/L was exceeded on March 25, 1999 with a sample analysis result of 145 mg/L.

The follow-up investigation determined that plant operations, laboratory analysis and collection system maintenance were normal.

We believe that this increased BOD is related to the increased influent BOD levels the plant has experienced over the past several years. As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely.

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU
Brian Crewdson, AWWU
Anchorage Office, EPA
Southcentral Office, ADEC



Mayor

# 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



Owned by the

March 31, 1999

U.S. EPA Region 10 Municipality of Anchorage

APR U.5. 1999 OFFICE OF WATER

U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101

Reference: Daily Maximum BOD Exceedance for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

The final effluent BOD daily maximum limit of 140/mg/L was exceeded on March 18, 1999 with a sample analysis result of 158 mg/L.

The follow-up investigation determined that plant operations, laboratory analysis and collection system maintenance were normal.

We believe that this increased BOD is related to the increased influent BOD levels the plant has experienced over the past several years. As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely.

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU Brian Crewdson, AWWU Anchorage Office, EPA Southcentral Office, ADEC



# 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



Rick Mystrom. Mayor

January 25, 1999

Municipality of Anchorage

U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101

Reference: Daily Maximum BOD Exceedance for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

The final effluent BOD daily maximum limit of 140/mg/L was exceeded on January 14, 1999 with a sample analysis result of 166 mg/L.

The follow-up investigation determined that plant operations, laboratory analysis and collection system maintenance were normal.

We believe that this increased BOD is related to the increased influent BOD levels the plant has experienced over the past several years. As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU Brian Crewdson, AWWU Anchorage Office, EPA Southcentral Office, ADEC



Mayor

# 3000 Arctic Boulevard Anchorage, Alaska 99503-3898



January 20, 1999

U.S. EPA Region 10

Owned by the Municipality of Anchorage

JAN 26 1999 OFFICE OF WATER

U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101

Reference: Daily Maximum BOD Exceedance for the John M. Asplund WWTF AA0022551

Dear Ms. Carroll:

The final effluent BOD daily maximum limit of 140/mg/L was exceeded on January 9, 1999 with a sample analysis result of 144 mg/L.

The follow-up investigation determined that laboratory analysis and collection system maintenance were normal. There were treatment system process control and telemetry problems. The process control and telemetry problems were traced to a specific programmable logic controller (PLC). Repair of the PLC restored process control and telemetry to the normal level.

We also believe that some of this increased BOD is related to the increased influent BOD levels the plant has experienced over the past several years. As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

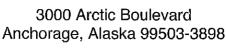
Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF

cc: Kris Warren, AWWU Brian Crewdson, AWWU Anchorage Office, EPA Southcentral Office, ADEC







Rick Mystrom, Mayor

January 6, 1999

Owned by the U.S. EPA ROOM 16 Municipality of Anchorage

JAN 1 1 1999 OFFICE OF WATER

U.S. EPA Region 10 NPDES Compliance Unit (OW-133) 1200 Sixth Avenue Seattle, WA 98101

Reference: NPDES Permit #AK-002255-1, John M. Asplund WWTF

Dear Ms. Carroll:

A BOD exceedance of the referenced discharge permit has occurred. The final effluent BOD daily maximum of 140/mg/L was exceeded on December 23, 1998 with a sample result of 147 mg/L and on December 30, 1998 with a sample result of 144 mg/L.

The follow-up investigation determined that laboratory analysis and collection system maintenance were normal. Plant operations and effluent sample pumping system had several minor disruptions on the day of the violation resulting from electrical switchgear maintenance. These disruptions, however, do not appear to have caused the BOD violation because effluent Suspended Solids levels did not increase above normal levels. Therefore, we believe the cause of this BOD violation to be primarily related to the increased Influent BOD levels the plant has experienced over the past several years.

As you probably know, AWWU has recently submitted a revised discharge permit renewal application for this facility to EPA, in which we are seeking a higher BOD limit. Until such time as the permit is renewed, we expect to continue experiencing occasional BOD violations.

Should you have any questions about this exceedance, please call me at (907) 243-8873.

Sincerely,

John F. Knue Jr.

General Foreman, John M. Asplund WWTF